

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Masanobu OHSAKI et al.  
Title: MISFIRE DETECTING APPARATUS FOR INTERNAL COMBUSTION  
ENGINE AND METHOD THEREOF  
Appl. No.: Unassigned  
Filing Date: April 23, 2004  
Examiner: Unknown  
Art Unit: Unknown

**UTILITY PATENT APPLICATION**  
**TRANSMITTAL**

Mail Stop PATENT APPLICATION  
Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is the nonprovisional utility  
patent application of:

Masanobu OHSAKI  
Hisanori OZAKI

Enclosed are:

- [ X ] Specification, Claim(s), and Abstract (16 pages).
- [ X ] Formal drawings (5 sheets, Figures 1-5).
- [ X ] Declaration and Power of Attorney (3 pages).
- [ X ] Assignment of the invention to HITACHI UNISIA AUTOMOTIVE, LTD.  
and FUJI HEAVY INDUSTRIES LTD.
- [ X ] Assignment Recordation Cover Sheet.
- [ X ] Information Disclosure Statement.
- [ X ] Form PTO/SB/08 with copies of 2 listed reference(s).



☒ Application Data Sheet (37 CFR 1.76).

☒ Claim for Convention Priority with 1 certified Japanese priority document.

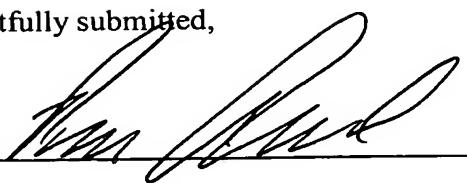
The filing fee is calculated below:

	Claims as Filed	Included in Basic Fee	Extra Claims	Rate	Fee Totals
Basic Fee				\$770.00 =	\$770.00
Total	19	- 20	= 0 x	\$18.00 =	\$0.00
Claims:					
Independents	3	- 3	= 0 x	\$86.00 =	\$0.00
:					
If any Multiple Dependent Claim(s) present:			+	\$290.00 =	\$0.00
				SUBTOTAL:	\$770.00
<input type="checkbox"/> Small Entity Fees Apply (subtract 1/2 of above):				=	\$0.00
				TOTAL FILING FEE:	\$770.00
Assignment Recordation Fee:			+	\$40.00 =	\$40.00
TOTAL FEE				=	\$810.00

- ☒ A check in the amount of \$810.00 to cover the filing fee and fee for recordation of Assignment is enclosed.
- ☐ The required filing fees are not enclosed but will be submitted in response to the Notice to File Missing Parts of Application.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

By 

Date April 23, 2004

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